

PRECISION DISK™ 500 SERIES AIR DRILLS



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THE FAMILY OF CASE IH PRECISION DISK AIR DRILLS

3 Models | Toolbar Widths From 25 – 60 Feet
SEEDING TECHNOLOGY THAT MAKES EVERY SEED COUNT.

Field conditions change. Planting windows can suddenly shorten and markets can swing unexpectedly. And through it all, you need to get the most you can from every single seed in the tank. The family of Case IH Precision Disk air drills feature designs that maximize your productivity—no matter the residue conditions you’re dealing with or the crops you plant. Precision Disk air drills are a versatile seeding tool to help you seed a broad range of crops more consistently and effectively. Plus, Precision Disk air drills allow you to seed at higher speeds and spend less time on daily maintenance.

HIT YOUR AGRONOMIC AND YIELD TARGETS.

Agronomic Design means making the most of season, soil and seed. Every plant affects your bottom line, and that’s why we design seeding equipment that helps you maximize yield potential, because it all makes a difference—and it all has to work together. Case IH Precision Disk air drills have been designed with an eye on improving your agronomic performance.

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HIGH-EFFICIENCY SEEDING FOCUSES ON A FAST, UNIFORM START.

Establishing consistent, uniform stand throughout the field gives your crops the best chance of reaching their full yield potential. Case IH Precision Disk air drills deliver the seed placement accuracy that creates good seed-to-soil contact for a fast, uniform germination in a variety of tillage systems from full-till to no-till.



OPTIMAL YIELD POTENTIAL FROM EVERY SEED.

- Accurate seed placement with **forward-facing seed tubes** that slow the seed down and help ensure it stays in the trench—whether seeding canola a half-inch deep or soybeans 3 inches deep.
- Unmatched advanced seed metering options reduce or eliminate overlap at headland turns, point rows or around obstacles in the field.
- Parallel-link system ensures **even depth placement** no matter the terrain.
- **Variable pitch down pressure springs** apply correct pressure to ensure better penetration in varying residue and soil conditions.
- **Large-tire packages** provide maximum support where it counts, reducing compaction and maximizes seeding emergence.

GET MORE SEEDING DONE IN A DAY.

- **Seed at higher speeds** to cover more acres in one day. For example, operating at 8 mph with a 60-foot implement allows you to cover 500 acres in a day.*
- Requires less horsepower to pull than previous Precision Disk air drill designs. This helps you save on fuel costs.
- Enjoy easy serviceability with **welded-frame connections** that increase durability and keep you in the field longer with annual maintenance.
- The rugged frame is designed with center structural steel tubing in a V shape to distribute the weight of the main frame, providing **exceptional weight distribution** in softer fields and stability during transport.

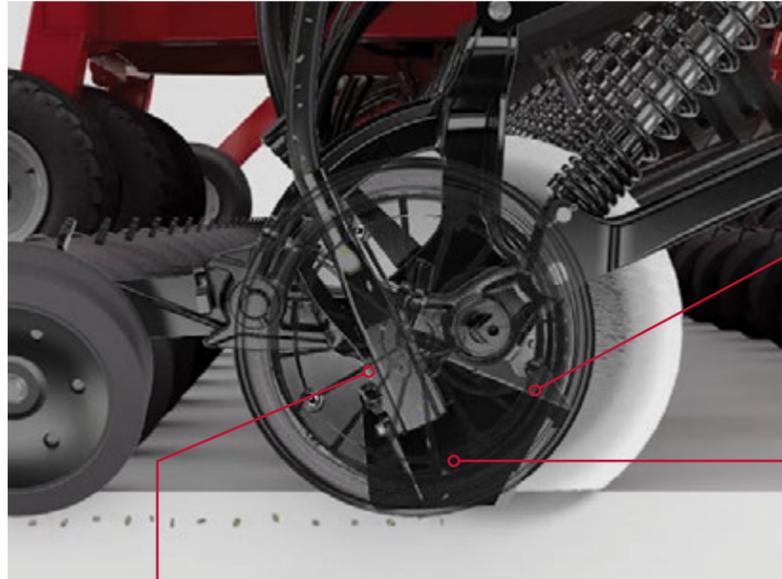
*Calculated using a 10-hour workday while operating at 85 percent efficiency at 8 mph to cover up to 50 acres per hour.

A DISK DRILL BUILT FOR YOUR FIELDS.

- Choose from three model options:
 - The **Precision Disk 500 air drill**, with tow-behind or tow-between configurations, matches the capacity of a Precision Air™ 5 series air cart.
 - The **Precision Disk 500T air drill** is one efficient machine that operates with a 70- or 100-bushel mounted tank.
 - The **Precision Disk 500DS air drill** saves time and increases productivity by seeding and fertilizing simultaneously with its double-shoot design. Tow-behind and tow-between configurations matches the capacity of a Precision Air 5 series air cart.

HIGHER YIELDS START WITH CONSISTENT SEED PLACEMENT.

Case IH Precision Disk 500 and 500T air drills maximize every seed's yield potential with unique ground-engaging components. The row unit optimizes seed placement accuracy and improves stand establishment while its exceptional durability keeps it performing through rugged conditions, saving you time and money.



■ SCRAPER.

It extends further down the opener to more effectively **guide the seed** into the trench.

■ ANGLED SEED BOOT.

Leads to **consistent and accurate** seed depth and placement.

■ FORWARD-FACING SEED TUBE.

Get more precise placement from tubes that direct seed toward the scraper. This slower path for the seed leads to vertical drop and reduces tumble and hop, so the seed stays in the trench.

■ IN-CAB HYDRAULIC DOWN PRESSURE CONTROL.

Controls let you adjust to changing field conditions on the go with quickness and ease, from the tractor seat. There is no need for the operator to stop and make down pressure changes by adjusting a drill-mounted valve and gauge.



■ CLOSING SYSTEM FOR ALL ■ SOIL CONDITIONS.

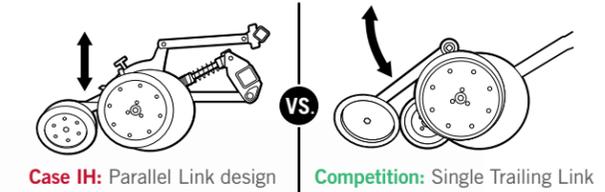
The heavy-duty, smooth-faced concave 4-inch-by-12-inch packer wheel was designed specifically for closing in tough conditions—whether in clay, sandy or both types of soils. The double-edged closing wheel follows behind to **seal the trench effectively** in a variety of conditions.

■ NO-TOOLS ADJUSTMENT.

Easily adjust depth from zero to 3.5 inches with a single **spring-loaded T-handle**. The adjustment range is divided into 14 increments, which are labeled for quick visual reference.

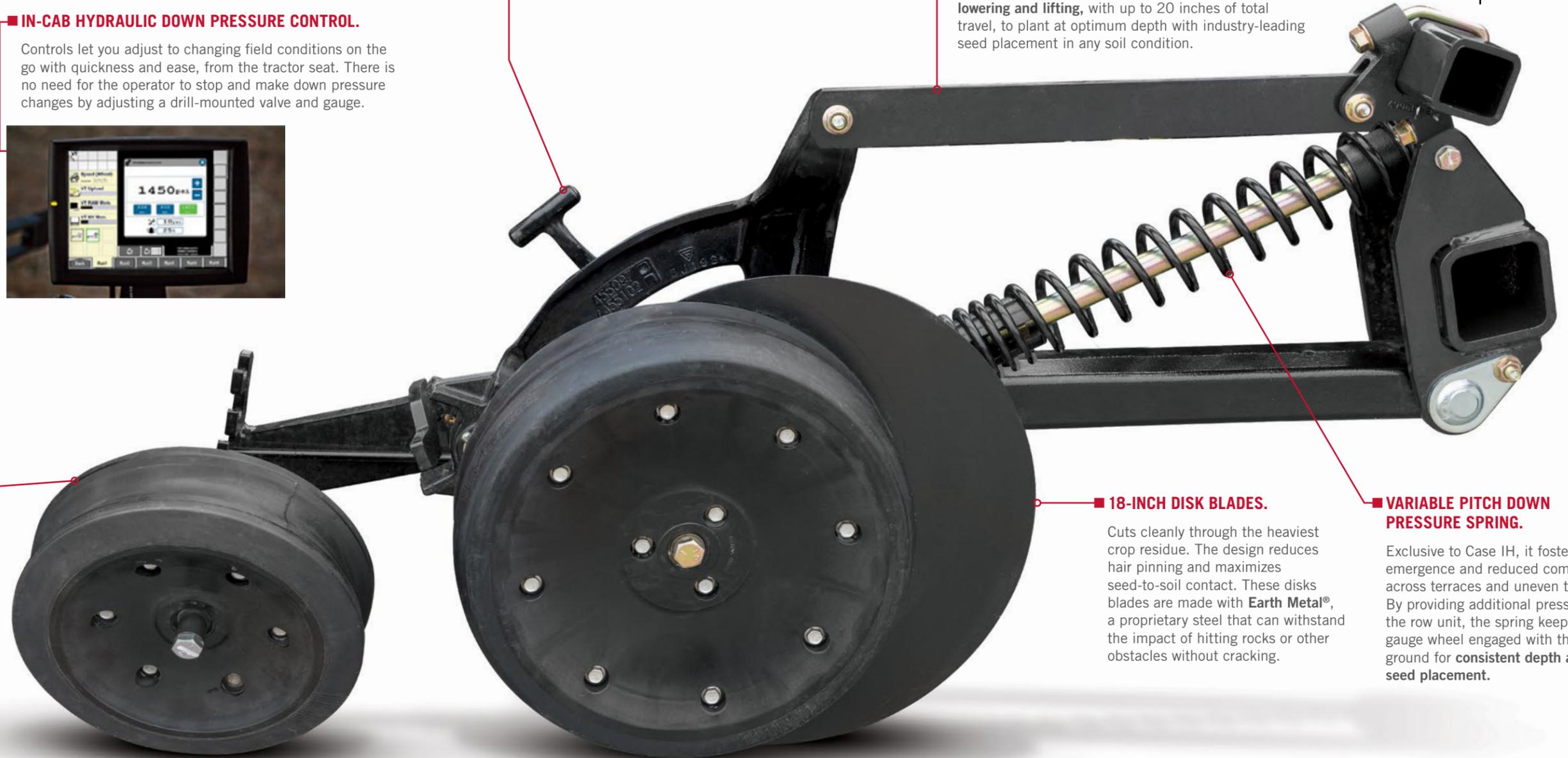
■ PARALLEL LINK.

An efficient and innovative design leads to parallel travel of the assembly, which generates consistent coulters depth, seed placement and closing wheel pressure. The opener has two arms that **allow level lowering and lifting**, with up to 20 inches of total travel, to plant at optimum depth with industry-leading seed placement in any soil condition.



Case IH: Parallel Link design

Competition: Single Trailing Link



■ 18-INCH DISK BLADES.

Cuts cleanly through the heaviest crop residue. The design reduces hair pinning and maximizes seed-to-soil contact. These disks blades are made with **Earth Metal®**, a proprietary steel that can withstand the impact of hitting rocks or other obstacles without cracking.

■ VARIABLE PITCH DOWN PRESSURE SPRING.

Exclusive to Case IH, it fosters even emergence and reduced compaction across terraces and uneven terrain. By providing additional pressure on the row unit, the spring keeps the gauge wheel engaged with the ground for **consistent depth and seed placement**.

HIGH-CAPACITY SEEDING WITH PRECISION DISK 500 AIR DRILLS AND PRECISION AIR 5 SERIES AIR CARTS.

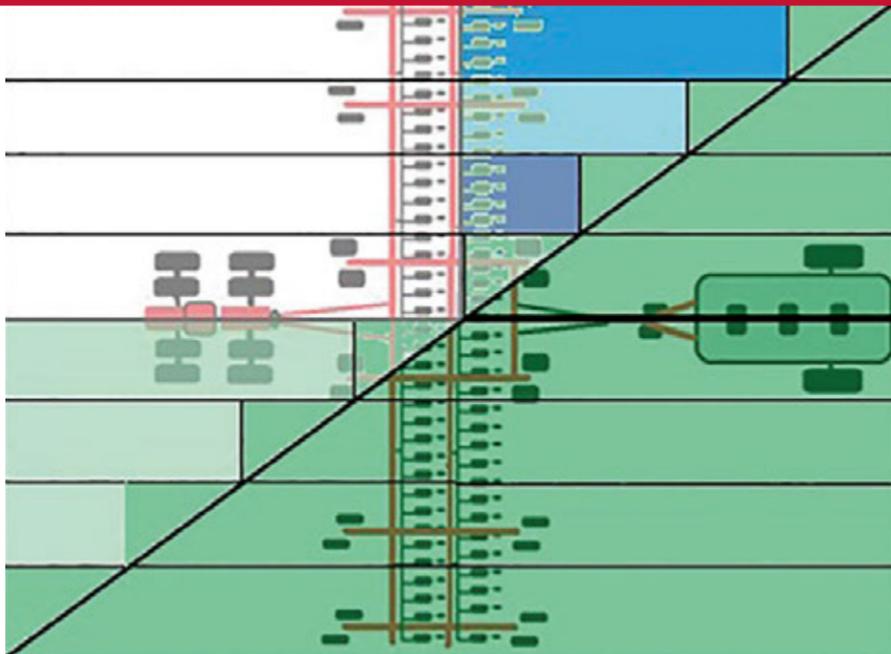
Tow-behind or tow-between configurations of the Precision Disk 500 air drill let you pick the most efficient setup for your operation, and toolbars available in 30-, 40-, 50- and 60-foot widths give you even more options.

BOOST PRODUCTIVITY WITH THE PRECISION AIR 5 SERIES AIR CART.

The **Precision Disk 500 air drill** is designed specifically for use with Precision Air 5 series air cart applications. With capacities from 350 to 950 bushels, these carts are available in tank configurations that have two or three primary compartments. Optional 25- or 35-bushel auxiliary tanks help meet your input needs. You can mix any tank's product with any of the other tanks, giving you maximum flexibility to achieve high efficiency when seeding.

Additional air cart features include:

- AccuSection section control
- In-tank video cameras
- Wireless remote-controlled deluxe auger or conveyor
- ISO11783 compatible
- Optional dual-wheel configuration for row-crop applications
- Also configurable with a high-flotation tire option
- Pressure sensors provide tank status on in-cab display



WIDE RANGE OF CUSTOMIZABLE CHOICES.

- Every toolbar width is available with 7.5- or 10-inch spacing to meet your operation's seed spacing needs. **Lift the front or rear row unit** for seeding in 15- or 20-inch spacing.
- **Variable-rate metering** lets you control seeding rates on the go from inside the cab.
- **Extended wear gauge wheels** that are stubble resistant.
- **High Float** wheel package for added flotation.
- **In cab down pressure** allows you to quickly adjust for changing field conditions. Plus you can **set three pre-set down pressure settings** to easily toggle between these settings.





VERSATILITY THAT HELPS REACH YOUR GOALS AND THEN SURPASS THEM.

The Precision Disk 500T features a mounted tank with seed metering, four-section overlap control and unmatched maneuverability in the field with 25-, 30- and 40-foot toolbar widths. Benefit from versatility across a wide range, with particularly exceptional performance for cover crops, rice, wheat, soybeans and other small grains.



TANK ENHANCEMENTS FOR CONVENIENCE AND EFFICIENCY.

- From tank positioning and ladder and light components, everything around the tank has been designed to make it **more convenient to load seed**.
- The 70-bushel tank on the 25 and 30 foot machine and 100-bushel tank on the 40 foot machine have a high, rearward mounting position to **easily access the seed meter** and row units below. Plus, a large platform to give you ample room for loading.
- In the cab, the weight is displayed on the AFS Pro 700 display (or an ISO11873-compliant display interface) and **operators are able to better determine seeding rates and schedule product fills**.
- Tank-mounted weigh scale includes a display on the rear tank platform providing **unmatched ease of calibration and loading** to let you operate more efficiently and with less fatigue.
- A flexible **lower bulk fill ladder step** comes standard to prevent damage to the ladder on uneven ground.
- Optional **bulk fill work lights provide lighting** when loading during nighttime hours and added safety.

EASY ADJUSTMENTS, MAINTENANCE AND OPERATION.

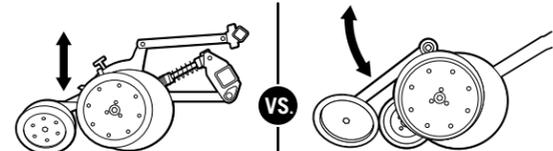
- Every toolbar width is available with 7.5- or 10-inch spacing. Front or rear ranks can be easily **lifted up and locked up hydraulically** to seed in 15-inch or 20-inch spacing.
- **More even weight distribution** comes from the mounted tank on the Precision Disk 500T, which evenly spreads it across the machine, giving you additional maneuverability while transporting equipment.
- Designed for easy access, the meter box allows **quick adjustment, cleanout and service**. This easy accessibility also allows you to quickly change meter modules to accommodate a wide range of seeds and crop types.
- **Variable-rate metering** lets you control seed rates on the go from inside the cab.
- The opening between the **meter and roller can be adjusted**; it stays in one location for each crop type, and the meter speed is adjusted for rate control.
- **Extended wear gauge wheels** that are stubble resistant prolong component life in a variety of residue and soil conditions.

EFFICIENT ACCURACY THAT LETS YOU DO TWICE AS MUCH

The Case IH Precision Disk 500DS row unit allows you to seed and fertilize simultaneously so you can cover more acres in short seeding windows. Built on Agronomic Design principles, the 500DS includes the Precision Placement Knife™ and an advanced closing system with simple depth adjustments. And you gain these benefits without compromising on the seed placement accuracy or durability associated with Case IH Precision Disk Air Drills.

PARALLEL LINK. ■

The Precision Disk 500DS continues the exclusive **parallel link design** that is at the heart of the Case IH family of air drills. This leads to consistent coulters depth and industry-leading seed placement for all soil conditions. Additionally, the row unit includes a forward-facing product tube that generates a slower path ensuring fertilizer and seed separation.



Case IH: Parallel Link design

Competition: Single Trailing Link

IN-CAB HYDRAULIC DOWN PRESSURE CONTROL. ■

Controls let you adjust to changing field conditions on the go with quickness and ease, from the tractor seat. There is no need for the operator to stop and make down pressure changes by adjusting a drill-mounted valve and gauge.



VARIABLE-PITCH DOWNSPRING. ■

The heavy-duty **variable-pitch downspring** keeps the row unit engaged so it maintains ground contact — even over rolling terrain and in tough field conditions.



EASY-TO-USE INDEXED SETTINGS. ■

Set seed depth in increments indexed to 1/4 inch per notch. Spacing between each notch is progressively larger from lowest to highest setting to compensate for the travel arc of the gauge wheel on the arm.

NO-TOOLS ADJUSTMENT. ■

Adjust seed depth in quarter-inch increments between 1/2- and 2-inches with the **T-handle depth control** conveniently located on each row unit — no tools required.

PRECISION PLACEMENT KNIFE. ■

The **Precision Placement Knife** is a separate ground-engaging tool that is connected to the row unit, not the scraper. It accurately places seed and helps close the trench. Cushioned by rubberized inserts on the outer shell to absorb shock and reduce the potential for damage from obstacles. The precision placement knife is made of a unique steel composition with a reinforced carbide edge providing durability and extended wear.



18-INCH DISK BLADES. ■

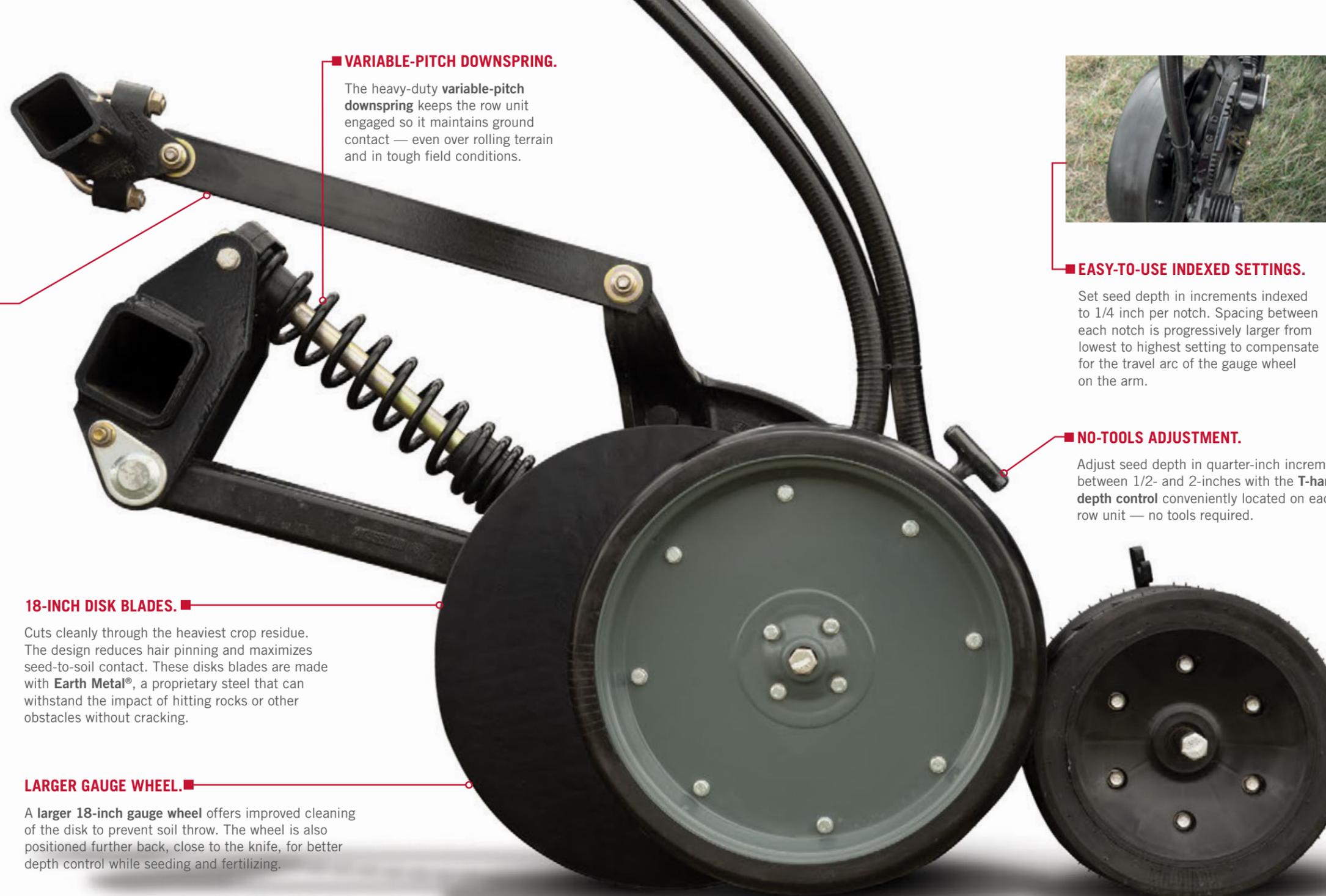
Cuts cleanly through the heaviest crop residue. The design reduces hair pinning and maximizes seed-to-soil contact. These disks blades are made with **Earth Metal®**, a proprietary steel that can withstand the impact of hitting rocks or other obstacles without cracking.

LARGER GAUGE WHEEL. ■

A **larger 18-inch gauge wheel** offers improved cleaning of the disk to prevent soil throw. The wheel is also positioned further back, close to the knife, for better depth control while seeding and fertilizing.

PACKER WHEEL DESIGN. ■

Unique convex design in the **packer wheel** captures moist soil ejected by the Precision Placement knife and coulter, and returns it to the trench for improved closing and moisture retention.



THE ONE-PASS SOLUTION FOR YOUR FIELDS.

The Precision Disk 500DS air drill lets you seed and fertilize at the same time, to maximize your seeding productivity. This row unit also makes fertilizer more accessible to seed than leading competitive units — 3 inches closer, in fact. It is available with 10-inch spacing and toolbar widths from 30 to 60 feet. Get twice as much done in one trip around your fields with just one piece of equipment. That saves time, work and maintenance costs.



A FIXED RELATIONSHIP BETWEEN SEED AND FERTILIZER.

- The Precision Disk 500DS features a **separate fertilizer placement design** alongside the parallel link technology found throughout the Case IH family of Precision Disk air drills.
- The **Precision Placement knife** allows the Precision Disk 500DS to place seed 1 inch up and 1 inch over from fertilizer in the same pass. The two components remain in a fixed relationship as you turn through fields — reducing the risk of costly seed burning.
- The separation generated by the Precision Placement Knife **makes fertilizer more accessible to growing plants** than competitive units while still maintaining safe separation by placing it below the seed, in the rooting zone. This increases the efficiency of the nutrient and reduces loss to the environment.
- Competitive units feature inter-row banding that leads to 5 inches of separation between seed and fertilizer, making fertilizer less accessible, particularly in dry conditions.
- The Precision Disk 500DS offers an **effective agronomic approach** for establishing the highest-yielding crop potential, regardless of conditions.

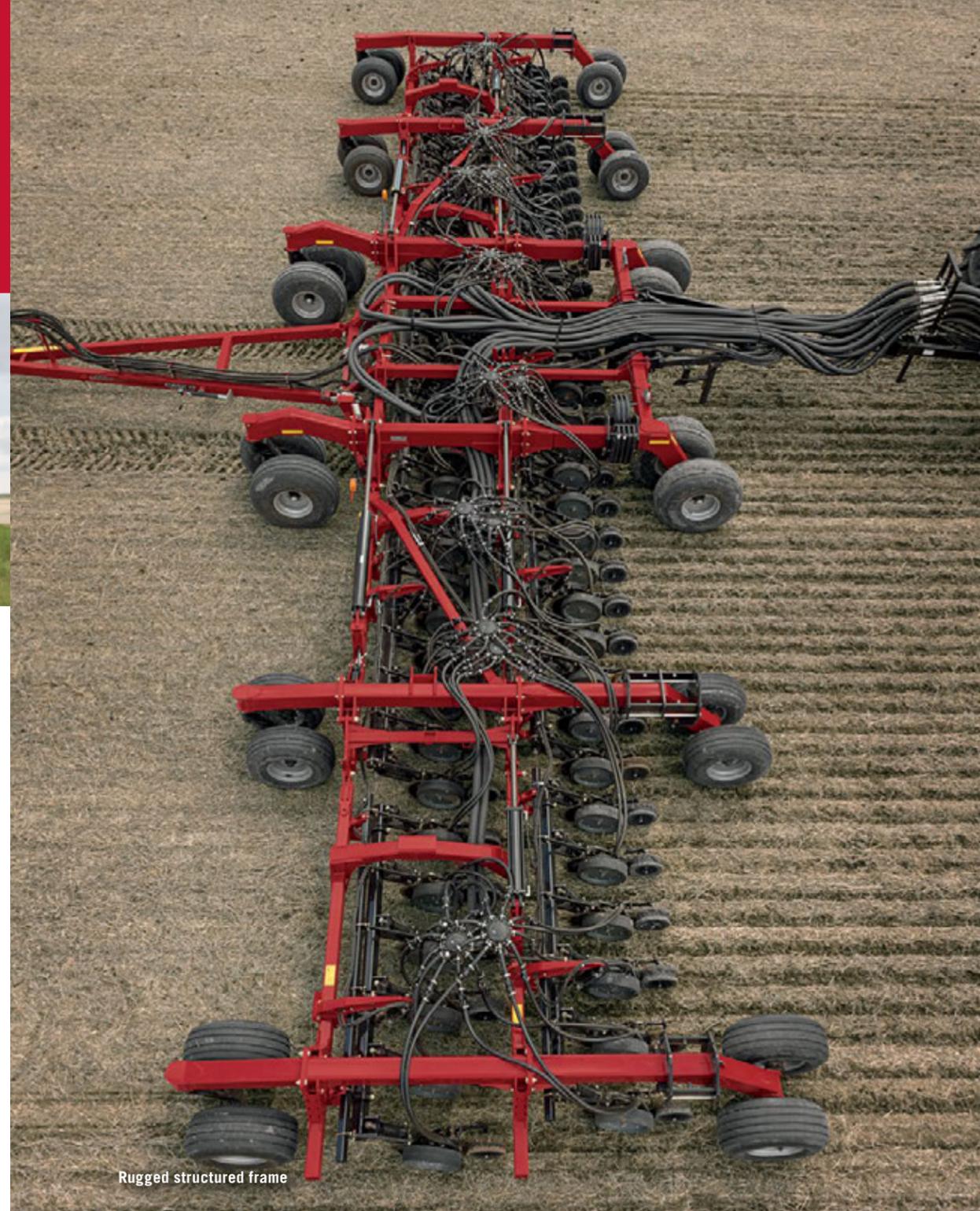
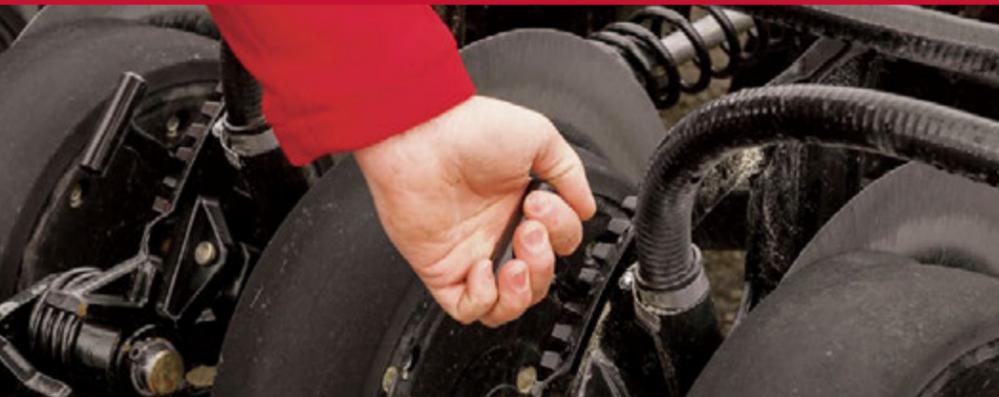
INCREASE PRODUCTIVITY WITH A LIGHTER, SHORTER FRAME DESIGN.

- Featuring two ranks, the Precision Disk 500DS follows the contour of the ground more closely than deeper models featuring three ranks. Combined with the 20 inch up-and-down movement of the parallel link row unit, this design leads to **superior ground following**.
- The **shorter frame** does not straddle depressions in a field.
- With 10-inch spacing and a 60-foot toolbar, the Precision Disk 500DS still weighs less than a 60-foot toolbar with 7.5-inch spacing.
- **Lower weight than competitive models** means less compaction, less draft and more available horsepower for higher speeds and power to seed at higher rates.
 - With 6 hp required per opener on a 60-foot toolbar, you need 432 hp at the drawbar.
- Working effectively at higher speed with the Precision Disk 500DS means you can **get more seeding done in a day**.



CONVENIENCE AND DURABILITY THAT'S EASY TO MAINTAIN.

From welded-frame connections to increase durability to simple folding for transporting, Case IH Precision Disk air drills are designed to add reliability and ease of use to exceptional performance. With a machine that's easy to operate and maintain, you can spend your time and energy focusing on productivity.



Hitch management system



Ground level serviceability



Ease of transport

RUGGED FRAME DESIGN.

- More **welded-frame connections** increase durability.
- Center structural steel tubing is configured for **superior weight distribution**, particularly in softer soils.
- The industry's best wing flex—15 degrees up and 10 degrees down while in the field—provides **consistent and even seeding** on terraces and rough terrain.

TOOLBAR DESIGN.

- On the Precision Disk 500 and 500T air drills, easily change 7.5-inch models to 15-inch spacing and 10-inch models to 20-inch spacing.
- A **single T-handle** allows you to easily select and lock in seeding depth with adjustment—no tools necessary.
- Set seed depth in increments **indexed to 1/4 inch per notch**. Spacing between each notch is progressively larger from lowest to highest setting to compensate for the travel arc of the gauge wheel on the arm.

SIMPLE FOLDING AND TRANSPORTING.

- The **vertical fold design** makes for the lowest transport height in the industry, as well as narrow widths.
- Single and double fold, depending on toolbar size. A **single remote lever** in the tractor controls folding and unfolding.
- The V shape of the center structural steel tubing adds **stability and support** during transport.
- Wide profile of transport wheels gives you stability to move the disk drill confidently at roading speeds.

REDUCED MAINTENANCE AND EASY SERVICEABILITY.

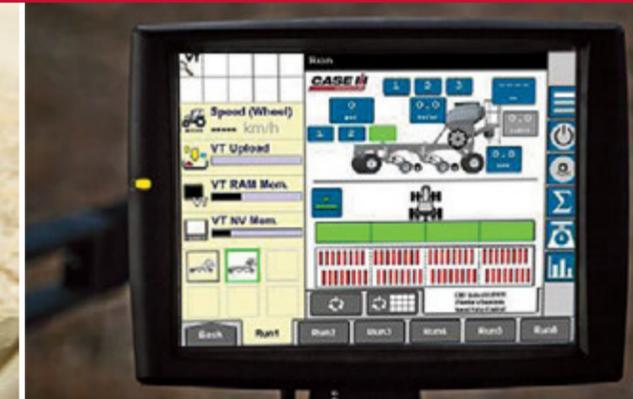
- The **open frame design** makes it easy to access all parts of the disk drill.
- A majority of the setup is completed at the factory, which improves reliability and leads to increased uptime.
- The new **hitch management system** controls the hydraulic and electronic connections between the drill and tractor. The system keeps the lines high off the hitch and out of contact while in use, and during offseason storage, it secures the lines off the ground, reducing damage and possible contamination.

Rugged structured frame



CONTROL, MONITOR, RECORD FOR DATA-DRIVEN DECISION-MAKING.

Case IH Advanced Farming Systems (AFS) helps you capitalize on all of the advantages and benefits Precision Disk air drills bring to your farm. An ideal companion for your operation, AFS delivers everything from autoguidance that keeps your passes straight to variable-rate application that helps you achieve seeding efficiency to a fully integrated platform that gathers data during every phase of production. Control it all through an intuitive new display interface design that makes it easier than ever for the user.



FLOW, POPULATION AND BLOCKAGE MONITORING.

- Reduce unsightly skips from blocked seed rows and monitor seed population to ensure hitting target rates.
- Optional on the Precision Disk 500, the Wireless Flow Blockage Monitor (WFBM) for seed and fertilizer provides unique monitoring benefits.
 - Apple® iPad® app displays all manifold runs and sounds an alert for easy identification of blocked hoses.
 - Patented acoustic sensors monitor the sound of seed flow with high accuracy in dusty field conditions or in low-rate applications.
 - Wireless system requires less wiring than traditional blockage monitor systems.
- The Precision Disk 500T flow sensors provide accurate population estimates for larger seeded crops.
- A bar graph on the Precision Disk 500T flow sensors displays target rates and seeding flow.

SECTION AND RATE CONTROL.

- Put seed, fertilizer and other inputs precisely where you want them using **AFS section and rate control**.
- **Reduced overlaps** combined with **variable-rate application** and precise product placement can help you save on inputs, improve agronomic performance and lower overall costs.
- Variable-rate application results in **fewer trips across the field**.

GUIDANCE AND STEERING.

- Achieve year-to-year **repeatable accuracy** at sub-inch levels with AFS AccuGuide autoguidance.
- **Autoguidance** can help you reduce skips and overlaps; save on fuel and labor costs; better manage your seed, fertilizer and chemical inputs; simplify operation; and simply get more done every day.

DATA MANAGEMENT AND ANALYSIS.

- View, edit, manage, analyze and use your precision farming data—all in a single suite—with **AFS software**.
- Generate yield maps, precision maps and more from a single, **integrated software package**.
- Create soil sampling maps, generate and print reports, and import satellite imagery.
- Securely and easily **import and manage all data sources** using your AFS software.
- Get instant access to **real-time machine data** through the AFS Connect™ advanced farm management system.



PRECISION DISK 500T SPECIFICATIONS	25 FT. (7.62 M)	30 FT. (9.14 M)	40 FT. (12.19 M)
CONFIGURATIONS			
Tank Style	Mounted tank		
Tank Capacity	Single 70 bu.		Single 100 bu.
Row Spacing	10 in. (25.4 cm) standard or 7.5 in. (19.05 cm) optional		
FRAME			
Weight (Empty) Est.	7.5 in. – 18,800 lb. (8 500 kg) 10 in. – 17,000 lb. (7 700 kg)	7.5 in. – 21,200 lb. (9 616 kg) 10 in. – 19,200 lb. (8 700 kg)	7.5 in. – 26,400 lb. (11 975 kg) 10 in. – 23,800 lb. (10 800 kg)
Fold Type	Single fold		
Wing Flex	3 section flex (10° down & 15° up)		
Hitch	Floating		
Transport Height	11 ft. (3.35 m)	13 ft. (3.96 m)	13.8 ft. (4.2 m)
Transport Width	12 ft. 6 in. (3.81 m)		18 ft. 8 in. (5.69 m)
Tire Package – Standard	Stubble resistant tires all locations Quantity: 12 total wheels Front of mainframe – 12.5 L x 15 dual wheels on castoring rigid axles Front and rear of each wing – 12.5 L x 15 single wheel (front on castor) Rear of mainframe – 12.5 L x 15 dual wheels on rigid axles	Stubble resistant tires all locations Quantity: 12 total wheels Front of mainframe – 12.5 L x 15 D ply fixed tandem Front and Rear of each wing – 12.5 L x 15 D ply single Rear of mainframe – 18 L x 16.1 dual wheels on walking beam axles	Stubble resistant tires all locations Quantity: 16 total wheels Front of mainframe – 12.5 L x 15 dual wheels on castoring walking beam axles Front and Rear of each wing – 12.5 L x 15 dual wheels walking beam axles (front on castor) Rear of mainframe – 18 L x 16.1 dual wheels on walking beam axles
Tire Package – High Flotation (Optional)	Stubble resistant tires all locations Quantity: 12 total wheels Front of mainframe – 12.5 L x 15 dual on castoring walking beam axles Front and rear of each wing – 12.5 L x 15 single wheel (front on castor) Rear of mainframe – 12.5 L x 15 dual wheels on walking beam axles	Stubble resistant tires all locations Quantity: 16 total wheels Front of mainframe – 12.5 L x 15 dual wheels on castoring walking beam axles Front and Rear of each wing – 12.5 L x 15 dual wheels walking beam axles (front on castor) Rear of mainframe – 18 L x 16.1 dual wheels on walking beam axles	
METERING/MONITORING			
Meter Drive System	Variable rate hydraulic drive (three pre-set settings on display)		
Meter Roller Options	Extra fine, fine, coarse		
Display System	AFS Pro 700 or ISO11783 compliant display		
Weigh Scale	Tank mounted with rear platform display and in cab-display		
Flow Monitor	Standard all-run system		
Section Control	Four section manual (std.) and AFS controlled four sections (opt.)		
Distribution Lines	1 in. (25 mm) or 1.25 in. (38 mm) (ID depends on location) – UV resistant hose		
ROW UNIT/OPENER			
Minimum Drawbar HP Requirements	10 in. – 120 hp* 7.5 in. – 160 hp*	10 in. – 145 hp* 7.5 in. – 195 hp*	10 in. – 195 hp* 7.5 in. – 260 hp*
Operating Speed	5 – 8 mph (8 – 12.7 kph)		
Depth Adjustment	Per opener 0 – 3.5 in. (0 – 8.9 cm) 14 increments with single “T” handle		
Row Unit Vertical Travel (from Surface)	8.5 in. up (21.6 cm); 11.5 in. down (29.2 cm)		
Road-to-Opener Clearance	8.5 in. (21.6 cm)		
Row Unit Spring Down Pressure per Row	160 – 400 lb. (73 kg – 181 kg)		
Rank Down Pressure Adjustment	In-cab hydraulic 200 – 1,400 psi		
Opening Disk	18 in. (45.72 cm) single bevel at 7°		
Closing System	Double edge, single wheel		
Closing System Pressure @ 1.5 in. (38 mm)	3 settings 59, 71, 84 lb. (27, 32, 38 kg)		

*Minimum requirements are a starting point only and should be increased based on operating conditions in the field, road transport conditions, and other implements that are used with the drill.

PRECISION DISK 500 SPECIFICATIONS	30 FT. (9.14 M)	40 FT. (12.19 M)	50 FT. (15.24 M)	60 FT. (18.29 M)
CONFIGURATIONS				
Tank Style	Tow-behind or tow-between air cart			
Row Spacing	10 in. (25.4 cm) standard or 7.5 in. (19.05 cm) optional			
FRAME				
Weight (Empty) Est.	7.5 in. – 19,600 lb. (8900 kg) 10 in. – 17,500 lb. (7900 kg)	7.5 in. – 24,800 lb. (11250 kg) 10 in. – 22,100 lb. (10000 kg)	7.5 in. – 40,000 lb. (18143 kg) 10 in. – 36,600 lb. (16601 kg)	7.5 in. – 45,500 lb. (20639 kg) 10 in. – 41,500 lb. (18824 kg)
Fold Type	Single fold		Double fold	
Wing Flex	3 section flex (10° down & 15° up)		5 section flex (10° down & 15° up)	
Hitch	Floating			
Transport Height	13.1 ft. (3.99 m)	13.8 ft. (4.20 m)	13.2 ft. (4.02 m)	14.9 ft. (4.54 m)
Transport Width	12 ft. (3.65 m)	18.8 ft. (5.73 m)		
Tire Package – Standard	Stubble resistant tires all locations. Quantity: 12 total wheels Front of mainframe – 12.5 L × 15 dual wheels on castoring rigid axles Front and rear of each wing – 12.5 L × 15 single wheel (front on castor) Rear of mainframe – 18 L × 16.1 dual wheels on rigid axles		Stubble resistant tires all locations. Quantity: 20 total wheels Single 12.5L – 15 D ply rating tires on outer wings Fixed tandem 12.5L – 15 D ply rating tires on inner wings Walking tandem 16.5 × 16.1 E ply rating tires on center section	
Tire Package – High Flotation (Optional)	Stubble resistant tires all locations. Quantity: 16 total wheels Front of mainframe – 12.5 L × 15 Dual wheels on castoring walking beam axles Front and rear of each wing – 12.5 L × 15 dual wheels on walking beam axles (front on castor) Rear of mainframe – 18 L × 16.1 dual wheels on walking beam axles		Stubble resistant tires all locations. Quantity: 24 total wheels Walking tandem 12.5L – 15 D ply rating tires on inner and outer wings Walking tandem 16.5 × 16.1 E ply rating tires on center section	
METERING/MONITORING				
Display System	AFS Pro 700 or ISO11783 compliant display			
Flow Monitor	Optional primary run monitoring or optional secondary run monitoring			
Extended Wear Distribution	Optional			
ROW UNIT/OPENER				
Minimum Drawbar HP Requirements	10 in. – 145 hp** 7.5 in. – 195 hp**	10 in. – 195 hp** 7.5 in. – 260 hp**	10 in. – 228 hp** 7.5 in. – 304 hp**	10 in. – 274 hp** 7.5 in. – 365 hp**
Operating Speed	5–8 mph (8–12.7 kph)			
Depth Adjustment	Per opener 0–3.5 in. (0–8.9 cm) 14 increments with single “T” handle			
Row Unit Vertical Travel (from Surface)	8.5 in. up (21.6 cm); 11.5 in. down (29.2 cm)			
Road-to-Opener Clearance	8.5 in. (21.6 cm)			
Row Unit Spring Down Pressure	160–400 lb. (73 kg–181 kg)			
Rank Down Pressure Adjustment per Row	In-cab hydraulic 200–1,400 psi			
Opening Disk	18 in. (45.72 cm) single bevel at 7°			
Closing System	Double edge, single wheel			
Closing System Pressure	3 settings 59, 71, 84 lb. (27, 32, 38 kg)			

**Additional horsepower is required to tow and operate the air cart. Minimum requirements are a starting point only and should be increased based on operating conditions in the field, road transport conditions, and other implements that are used with the drill.

PRECISION DISK 500DS SPECIFICATIONS	30 FT. (9.14 M)	40 FT. (12.19 M)	50 FT. (15.24 M)	60 FT. (18.29 M)
CONFIGURATIONS				
Tank Style	Tow-behind or tow-between air cart			
Row Spacing	10 in. (25.4 cm) standard			
FRAME				
Weight (Empty) Est.	10 in. – 21,200 lb. (9616 kg)	10 in. – 29,100 lb. (13200 kg)	10 in. – 41,500 lb. (18824 kg)	10 in. – 45,000 lb. (20412 kg)
Fold Type	Single fold		Double fold	
Wing Flex	3 section flex (10° down & 15° up)		5 section flex (10° down & 15° up)	
Hitch	Floating			
Transport Height	13.1 ft. (3.99 m)	13.8 ft. (4.20 m)	13.2 ft. (4.02 m)	14.9 ft. (4.54 m)
Transport Width	12 ft. (3.65 m)	18.8 ft. (5.73 m)		
Tire Package – Standard	Stubble resistant tires all locations. Quantity: 12 total wheels Front of mainframe – 12.5 L × 15 dual wheels on castoring rigid axles Front and rear of each wing – 12.5 L × 15 single wheel (front on castor) Rear of mainframe – 18 L × 16.1 dual wheels on rigid axles		Stubble resistant tires all locations. Quantity: 20 total wheels Single 12.5L – 15 D ply rating tires on outer wings Fixed tandem 12.5L – 15 D ply rating tires on inner wings Walking tandem 16.5 × 16.1 E ply rating tires on center section	
Tire Package – High Flotation (Optional)	Stubble resistant tires all locations. Quantity: 16 total wheels Front of mainframe – 12.5 L × 15 Dual wheels on castoring walking beam axles Front and rear of each wing – 12.5 L × 15 dual wheels on walking beam axles (front on castor) Rear of mainframe – 18 L × 16.1 dual wheels on walking beam axles		Stubble resistant tires all locations. Quantity: 24 total wheels Walking tandem 12.5L – 15 D ply rating tires on inner and outer wings Walking tandem 16.5 × 16.1 E ply rating tires on center section	
METERING/MONITORING				
Display System	AFS Pro 700 or ISO11783 compliant display			
Flow Monitor	Optional wireless flow blockage monitoring			
Distribution System – Standard	Double shoot air pack			
Extended Wear Distribution	Optional			
ROW UNIT/OPENER				
Minimum Drawbar HP Requirements	10 in. – 216 hp**	10 in. – 288 hp**	10 in. – 360 hp**	10 in. – 432 hp**
Operating Speed	5–8 mph (8–12.7 kph)			
Depth Adjustment	Per opener 0.5–2.0 in. (0–5.1 cm) 1/4 increments with single “T” handle			
Row Unit Vertical Travel (from Surface)	8.5 in. up (21.6 cm); 11.5 in. down (29.2 cm)			
Road-to-Opener Clearance	8.5 in. (21.6 cm)			
Row Unit Spring Down Pressure	160–400 lb. (73 kg–181 kg)			
Rank Down Pressure Adjustment per Row	In-cab hydraulic 200–1,400 psi			
Opening Disk	18 in. (45.72 cm) Earth Metal® single bevel at 7°			
Opening Knife	Precision Placement Knife - cast with leading carbide edge			
Firming Wheel	Concave profile chevron patterned firming wheel			
Firming Wheel Pressure	3 settings 59, 71, 84 lb. (27, 32, 38 kg)			

**Additional horsepower is required to tow and operate the air cart. Minimum requirements are a starting point only and should be increased based on operating conditions in the field, road transport conditions, and other implements that are used with the drill.



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